KEL-TEC PISTOL

KELTEC CNC INDUSTRIES INC
PO BOX 236009
COCOA FL 32926
(321)-631-0068

Owned Made Parts ©

SAFETY, INSTRUCTION, AND PARTS MANUAL

KEL-TEC PISTOL
SAFETY, INSTRUCTION & PARTS MANUAL

STATEMENT OF LIABILITY

This pistol may be classified as a dangerous weapon and is surrendered by KEL-TEC CNC INDUSTRIES INC. with the understanding that the purchaser assumes all liability resulting from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. Firearms can cause serious injury and death. Safety must be the prime consideration of anyone who handles firearms. Always treat a firearm as though it were loaded. Always keep the muzzle pointed in a safe direction.

In owning a firearm, you are responsible for the firearm's safety and security. Always secure firearms from children.

READ THESE INSTRUCTIONS
AND WARNINGS CAREFULLY,
BE SURE YOU UNDERSTAND
THESE INSTRUCTIONS AND WARNINGS
BEFORE USING THIS FIREARM.

This SAFETY, INSTRUCTION & PARTS MANUAL should always accompany this firearm and be transferred with it upon change of ownership or when the firearm is loaned or presented to another person. A copy of the SAFETY, INSTRUCTION & PARTS MANUAL is available FREE upon request from:

KEL-TEC CNC INC.
SERVICE DEPARTMENT
PO BOX 236009
COCOA FL 32926

SAFETY INSTRUCTIONS AND WARNINGS

READ AND CAREFULLY FOLLOW THESE WARNINGS AND INSTRUCTIONS

These warnings and instructions are provided to assure the safe functioning of the handgun. Failure to heed them may result in improper functioning and serious injury.

Kel-Tec firearms are designed to function reliably with proper care and knowledgeable use. Do not use your firearm unless you fully understand these instructions, and the safe operation of your firearm.

Only safe gun-handling habits will ensure the safe use of your firearm. This is your responsibility. Accidents are the result of violating the rules of safe gun handling and common sense.

Before handling any firearm, understand its operation.
Always treat every gun as if it were loaded.

Never accept or pickup a firearm without checking the magazine, and the chamber to assure the weapon is empty. Do not trust the extractor to clear the chamber, look and feel.

Always make sure the muzzle is pointed in a safe direction at all times.
Never point a firearm at anyone or anything you do not intend to shoot.

Make sure your "audience" is always 5 feet in back of you, not next to you when firing.

Keep your firearm unloaded when not in use.
Never keep a loaded firearm in the home, car, boat or R.V.
Never store a firearm with a cartridge in the chamber.
Never store firearms and ammunition together, keep them locked up and away from children.

Never touch the trigger when working the slide.

Never alter any components of your firearm.
Never take medications, drugs, or alcohol when handling firearms.

Always use only clean, dry original factory ammunition.

Never load or unload a firearm without assuring the muzzle is pointed in a safe direction.
Never load a firearm except immediately before shooting.

SAFE GUN HANDLING IS YOUR RESPONSIBILITY

SAFETY INSTRUCTIONS AND WARNINGS

The Kel-Tec pistol is manufactured in different calibers. The caliber is stated on the right side of the grip, just under the slide. Use only this ammunition and only if in compliance with SAAMI specifications.

Only use commercially manufactured ammunition, clean, dry, and in good condition. Never use nonstandard, reloaded or damaged cartridges.

Never use ammunition where the pressure levels exceed industry standards. Kel-Tec pistols are maufactured from high quality materials. They will provide extended service life. However, all warranties, expressed or implied, are voided and Kel-Tec will not be liable for property damage or personal injury and consequential damages, if faulty ammunition is used in Kel-Tec centerfire pistols.

Never discharge a firearm without proper shooting glasses and ear protection.

Never shoot at any water surface or any surface where a ricochet can occur. Never shoot until you are sure of your backstop and what lies beyond it.

If the gun does not discharge after pulling the trigger, do not change its direction for at least 30 seconds, you could be having a "hang fire".

Do not allow a firearm to be used by individuals who do not understand its safe operation and the rules of safe gun handling.

Be sure all accessories, such as holsters and grips, are compatible with the firearm and that the accessories do not interfere with safe operation.

When transporting your firearm, be sure your firearm is unloaded and that the action is open.

If you do not understand how to operate any of our products or have any questions about their safe handling, please write us.

Always be aware of other people so that they cannot accidentally walk into the firing line of fire. When firing on a target range, be alert and follow the range officer's commands. Never cross obstacles such as fences or streams with a loaded firearm.

INTRODUCTION

The pistol is a semi-automatic, locked breech pistol.

The firing mechanism is double action only. The Kel-Tec Pistol is the smallest and lightest service caliber ever made. Thanks to its locking dynamics and superior ergonometry, perceived recoil and practical accuracy are comparable to much larger guns.

The pistol is especially suited for plainclothes police officers or as a secondary weapon for military personnel. The small grip size and light trigger pull make the pistol ideal for female shooters.

From the very beginning of the design and developement, computers have been used exclusively. All machined components are also made on modern high speed computerized equipment. Equally advanced quality control equipment and test procedures ensure a firearm with uncompromising quality in materials and workmanship.

CONSTRUCTION

The pistol has six main component groups: **barrel, slide, frame, firing mechanism, grip, and magazine.**

The **barrel** is made of SAE 4140 Ordnance steel heattreated to 50 HRC.

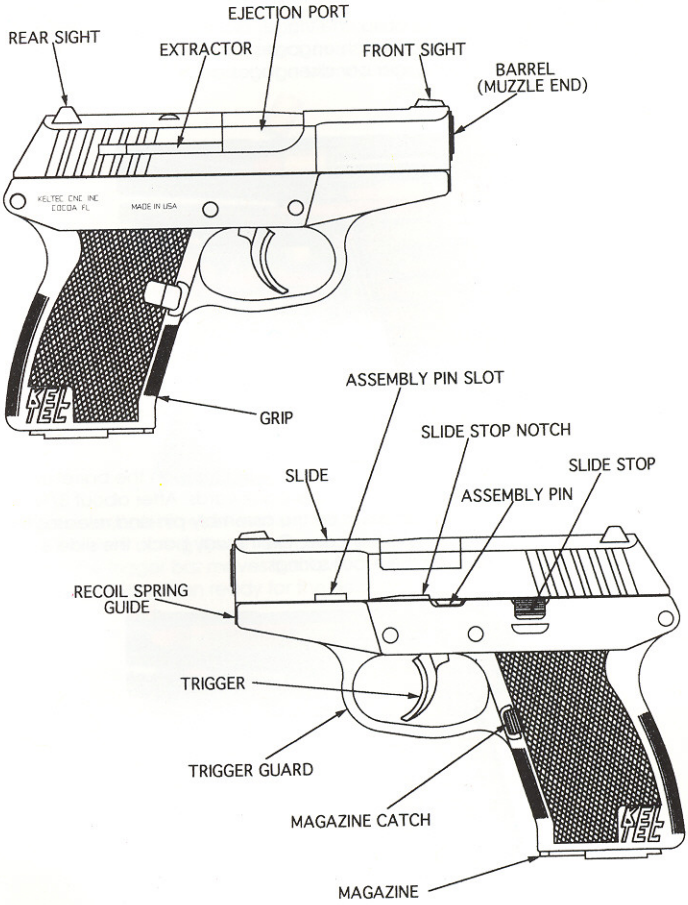
The **slide** is also 4140 steel, and contains the firing pin and the extractor.

The rectangular **frame** is machined from solid 7075-T6 aluminum and houses the **firing mechanism**.

The trigger connects via a transfer bar to the hammer. The hammer is driven by a novel free floating extension spring. The light weight firing pin transmits the energy of the hammer to ignite the primer. The functioning of the mechanism greatly surpasses all applicable SAAMI safety standards

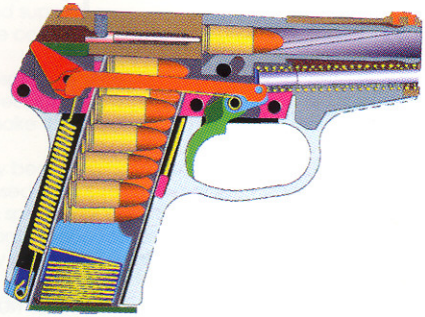
The **grip** is made of the ultra high impact polymer DuPont ST-8018. The grip also forms the magazine well and the trigger guard.

Normally supplied with a double column all steel **magazine**.

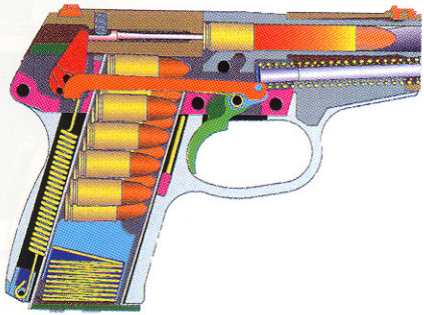

EJECTION PORT
REAR SIGHT
EXTRACTOR
FRONT SIGHT
BARREL
(MUZZLE END)
KELTEC CNC INC
COCOA FL
MADE IN USA
KEL
TEC
GRIP
ASSEMBLY PIN SLOT
SLIDE STOP NOTCH
SLIDE
SLIDE STOP
ASSEMBLY PIN
RECOIL SPRING
GUIDE
TRIGGER
TRIGGER GUARD
MAGAZINE CATCH
MAGAZINE

Functioning

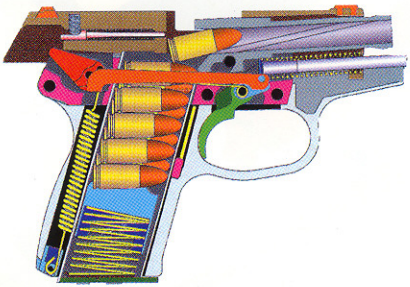
When the pistol's trigger is pulled, the trigger axis is rotated forward together with the trigger bar which engages the hammer. After about 70 degrees rotation, the trigger bar disengages and the hammer rotates forward to strike the firing pin.



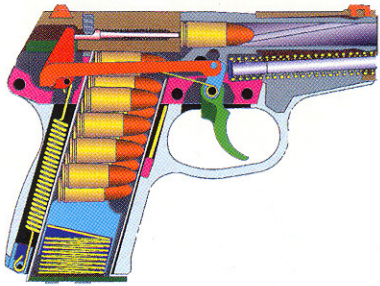
The ignited powder gas drives the bullet forward through the barrel and simultaneously drives the slide and barrel backwards. After about 3/16" (5 mm) the barrel is cammed down by the assembly pin and releases the slide to travel back extracting the case. On it's way back, the slide is gradually slowed down by the recoil springs.



Close to the rear position, the empty case hits the ejector, and is thrown out of the gun. The recoil springs drive the slide forward again. The top cartridge in the magazine is picked up by the breechface and pushed into the barrel.Close to battery the barrel is cammed up positively locking into the slide.



During the complete recoil motion, the hammer is fully disengaged and follows the slide acting like an extra recoil spring. When the trigger is released the trigger bar moves backwards and behind the hammer catch. The pistol is then ready for the next shot.



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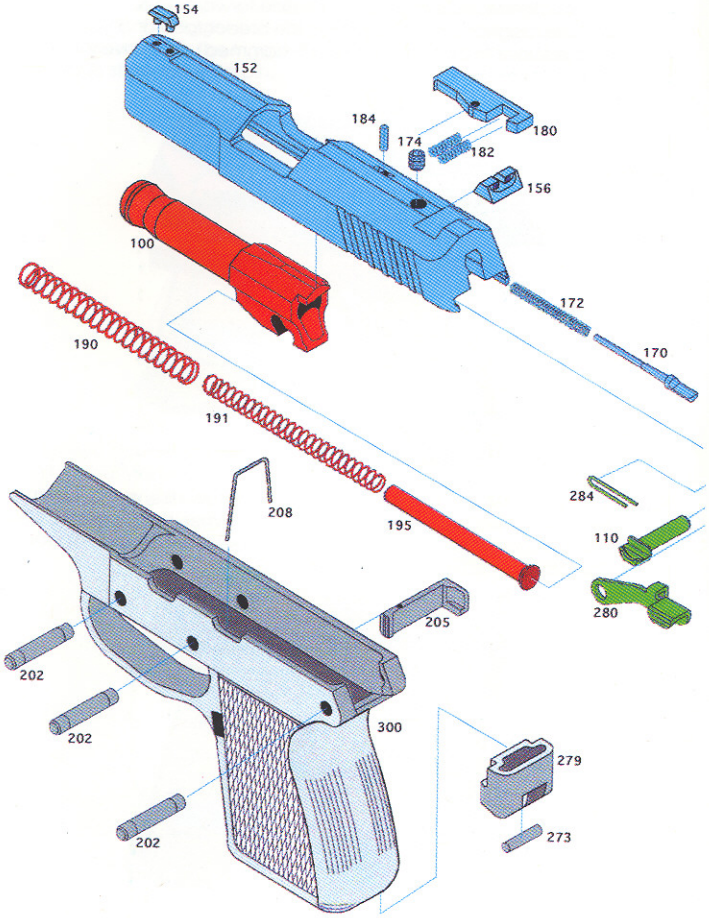
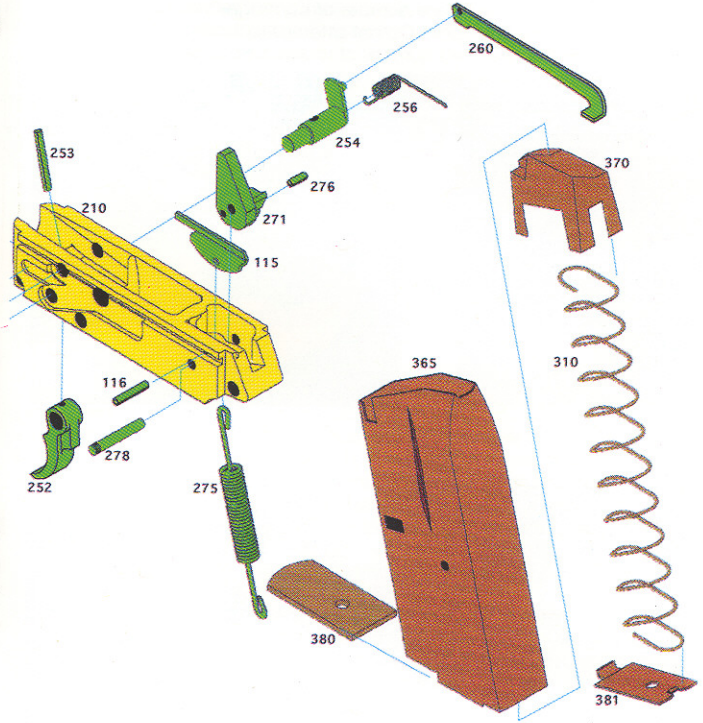
PISTOL

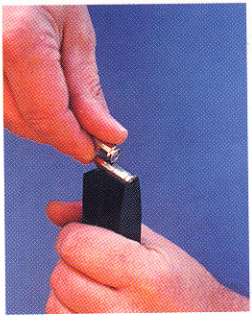


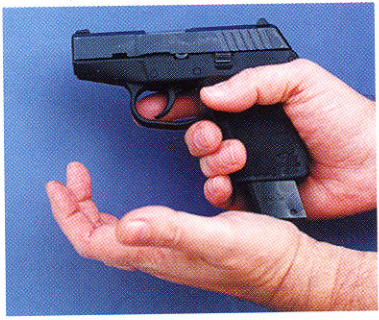


Loading

To load, fill the magazine by pressing a cartridge downward on the forward portion of the magazine follower (or downward on the case of the previously loaded cartridge) and sliding the cartridge fully under the lips of the magazine until the cartridge is all the way back in the magazine.

Repeat the steps above for the number of cartridges you wish to load, up to the magazine capacity. Do not attempt to load your magazine with more than the specified number of rounds because doing so can cause a feeding malfunction.



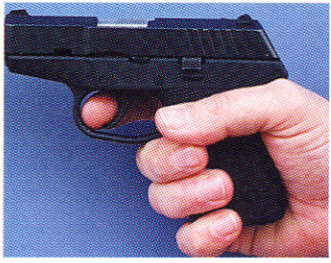


Hold the pistol in one hand with the muzzle pointing in a safe direction and with your finger off the trigger and outside the trigger guard. Insert the loaded magazine into the grip until it is locked in place. Check to assure magazine is secure. Pull the slide back and release. If the slide is already back, press down on the slide stop and allow slide to carry fully forward. This strips a round from the magazine and seats it in the barrel chamber. At all times keep your hands away from the muzzle.

If you wish to restore the magazine in your pistol to full capacity, press the magazine catch and remove the magazine to load the missing round. **Never load rounds directly into the chamber**. Remember to keep your pistol pointed in a safe direction under all conditions and always keep your finger off the trigger and outside the trigger guard until ready to fire.

Firing

With the muzzle pointed in a safe direction and your finger outside the trigger guard, take aim at a safe target, put finger inside trigger guard and squeeze trigger until round is fired. Release trigger and you are ready to fire another round. Upon firing, the slide moves rearward extracting and ejecting the fired round and returns to forward position feeding another round automatically while doing so. This sequence can be repeated until the last round has been fired at which time the magazine follower will press up on the slide stop causing it to catch the slide and hold it in the open position. Hold the pistol firmly when shooting. If the pistol is not held firmly, a misfeed could occur. This is refered to as the weak wrist condition.



Unloading

To unload the pistol, remove the magazine and briskly pull the slide back to extract the round in the chamber. Do not obstruct the ejector port and keep fingers away from trigger and muzzle. Visually inspect the chamber to make sure it is empty. Push the remaining cartridges in the magazine forward and out.

SAFETY

To achieve highest operator safety, combined with ease of handling, the pistol is "**Double Action Only**". It has no manual safety and the hammer is never cocked, very much like a hammerless revolver. The physical characteristics of the hammer, firing pin and their springs are so combined that they form a fail-safe **dynamic safety system**.

The hammer is of a novel design. Compared to a conventional hammer, the pistol's is extremely light and consequently, operates at very high velocities. It is driven by a special free floating extension spring. Furthermore, the hammer's mass is concentrated around its axis giving an inertia in the critical direction of the firing pin close to zero.

The velocities necessary to fire a cartridge with the low mass hammer/firing system are so high that they cannot even be approached by the slide's action or an accidental fall. The tilting action of the barrel excludes firing unless the breech is fully locked. A direct blow to the hammer is impossible, as it is enclosed by the slide and grip. The hammer's energy is transmitted to the primer through a proportionally light weight firing pin.

MALFUNCTIONING

Proper function of your pistol is directly related to maintenance and care, and to the ammunition you use. Some of the more common types of malfunctions which may occur are as follows:

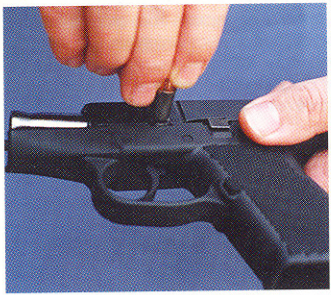
Misfire: Failure of the cartridge to ignite when the hammer falls. If this occurs, pull trigger again. If this doesn't help, keep firearm pointed in a safe direction, wait 30 seconds, operate the slide manually and continue shooting. If necessary change the magazine. The most common cause of misfire is faulty ammunition.

Failure to Feed: This occurs when a cartridge has been fed from a magazine but not fully chambered. If this occurs, keep the firearm pointed in a safe direction, remove that cartridge, operate the slide manually and continue shooting. If necessary change the magazine. The most common causes are dirt or foreign objects impeding the magazine follower. Improperly crimped cartridges are another cause.

Failure to Eject or Extract: A fired case is not fully extracted from the chamber or ejected from the pistol. Again, keep the firearm pointed in a safe direction, clear the gun by operating the slide, remove the case and continue. If necessary change the magazine. The most common causes are a damaged extractor, ejector or ammunition. Improperly loaded or sized cartridges can cause this also. If any of the above problems are not solved by cleaning or by use of other brands of ammunition, stop firing, unload and return the pistol to our service department.

Disassembly

Unload your pistol. Pull the slide back and push up on the slide stop until slide is locked open. Using the rim of a case, pull the assembly pin from the pistol. Push the barrel back. While holding slide, release the slide stop allowing the slide to slowly move forward, off the frame. Remove recoil springs and barrel. No further disassembly is recommended. **Do not rotate the firingpin screw**, it is factory adjusted.



Assembly

Make certain that the barrel and recoil springs are well centered when putting them back in the slide. Push the slide onto the frame and push up on slide stop until slide is locked open. Allow the barrel to fall completely forward. Look into the assembly pin hole and align that hole with the cut in the barrel. Insert the assembly pin, and push the pin completely in. Work the slide a few times to check the action. Do not dry fire your pistol. As with any gun, dry firing should be avoided.

MAINTENANCE

Your pistol is a precision instrument and to insure reliable function, it is necessary to follow a routine maintenance procedure. After firing your pistol, be sure to unload it following the procedure outlined in the section entitiled "Unloading" before any cleaning or maintenance procedure.

Your pistol should be cleaned by brushing the barrel bore and chamber with a good powder removing solvent and bore brush. Wipe the areas clean with patches or a swab. Using a small brush dipped in solvent, remove all deposits from around the breech of the barrel, chamber, extractor, and adjacent areas which have been subjected to the action of powder or primer residue. Remove any residue on the frame with light brushing and a solvent. After cleaning the entire gun, use cloth to apply a light coating of high quality gun oil to all external surfaces and wipe clean.

For a more detailed cleaning, the pistol should be disassembled as described in the section "Disassembly'.

SERVICE

Should your pistol require adjustment, refinishing, or repair, it should be returned to the factory, unloaded.

In shipping the Pistol, be sure to adhere to the following rules:

Individuals who wish to return the handgun for service can do so by shipping it prepaid to the address below. No return authoriztion number is required.

Include a letter of instruction, full name, address, telephone number and the gun's serial number. This will insure prompt service and handling. Once your Pistol has been received, anything other than warranty work will receive a quotation. You will be notified of full charges and no work will commence before receiving your approval of our quotation.

All quotations are payable by money orders, Visa, and Mastercard only. No COD's or personal checks accepted. Please return your pistol to:

KEL-TEC CNC, INC.
SERVICE DEPT.
1485 COX ROAD
COCOA, FL 32926

PISTOL PARTS LIST (SEE ILLUSTRATION ON CENTERFOLD)

100 Barrel
110 Assembly Pin
115 Ejector
116 Ejector Pin
152 Slide
154 Front Sight
156 Rear Sight
170 Firing Pin
172 Firing Pin Spring
174 Firing Pin Screw
180 Extractor
182 Extractor Springs
184 Extractor Pin
190 Recoil Spring, Outside
191 Recoil Spring, Inside
195 Recoil Spring Guide
202 Frame Pins
205 Magazine Catch
208 Magazine Catch Spring
210 Frame (Exchange Only)
252 Trigger
253 Trigger Pin
254 Trigger Axis
256 Trigger Spring
260 Trigger Bar
271 Hammer
273 Hammer Spring Pin
275 Hammer Spring
276 Hammer Pin
278 Hammer Axis
279 Hammer Spring Catch
280 Slide Stop
284 Slide Stop Spring
300 Grip
310 Magazine Spring
365 Magazine Body
370 Magazine Follower
380 Magazine Bottom
381 Magazine Plate
400 Box
410 Manual (Free)

WARRANTY

This warranty is granted by Kel-Tec CNC Industries, Inc., Cocoa, FL. This lifetime warranty is effective from the date of purchase and applies to the original owner of a Kel-Tec Pistol.

Kel-Tec handguns are warranted to be free from defects in material and workmanship. Any such defects of which Kel-Tec receives written notice by the original owner, will be remedied by Kel-Tec without charge within a reasonable time after such notification and delivery of the handgun as provided below.

Warranty claims (in writing) and the gun concerned should be delivered (transportation charges pre-paid) to:

Kel-Tec CNC, Inc
Service Department
1485 Cox Road
Cocoa, FL 32926.

No return authorization number is required. In addition, a copy of a bill of sale in the owner's name, or a copy of ATF Form 4473, indicating date of purchase must be included.

In order to expedite service, warranty claims should state the model and serial number of the gun concerned and a description of the difficulty experienced. It is recommended that shipments be insured by the owner, since Kel-Tec will accept no responsibility for loss or damage in transit.

Transportation and insurance charges for return to owner will be paid by Kel-Tec if the claim is covered by the warranty.

Under no circumstances shall Kel-Tec be responsible for incidental or consequential damages with respect to economic loss or injury or property damage, whether as a result of breach of express or implied warranty, negligence or otherwise. Some states do not allow the exclusion or limitation or incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Kel-Tec will not be responsible for defects resulting from careless handling, unauthorized adjustments or modifications, defective or improper ammunition, corrosion, neglect, abuse, ordinary wear and tear, or unreasonable use.